

## ABSTRACT OF THE DISCLOSURE

A network architecture for Wireless Intranet Office (WIO) applications including a local radio network such as a wireless local area network (WLAN) which comprises a Wireless Mobile Center (WMC) arranged to serve as a WLAN access point; a GSM network which comprises a Mobile Station (MS) in a form of a dual-mode cellular phone to access both WLAN and GSM radio technologies, a Base Station (BS) arranged to convert a radio signal from the Mobile Station (MS) for communication, a Mobile Switching Center (MSC) arranged to establish call connection; and a Handover Module implemented in either the Mobile Station (MS) or the Wireless Mobile Center (WMC) for providing seamless mobility between the GSM network and the wireless LAN, when the Mobile Station (MS) roams between the GSM network and the wireless LAN.